

WHAT IS CLAIMED IS:

A method of firing magnetic cores comprising the steps of:

providing a plurality of flattened-ring compact bodies having flattened through-holes;

attaching a powder to the surface of the plurality of flattened-ring compact bodies;

arranging the plurality of flattened-ring compact bodies adjacently so that the axes of the flattened through-holes are vertically arranged; and

firing the flattened-ring compact bodies while the powder is interposed between the adjacent flattened-ring compact bodies.

2. The method according to claim 1, wherein the step of arranging includes arranging the plurality of flattened-ring compact bodies in a plurality of rows that are adjacent to each other.

3. The method according to claim 1, wherein before the step of attaching powder, the plurality of flattened-ring compact bodies are arranged so that the axes of the flattened through-holes are horizontally arranged.

4. The method according to claim 3, wherein after the step of attaching, the plurality of flattened-ring compact bodies are stacked on each other in a vertical stacking direction.

5. The method according to claim 1, wherein after the plurality of flattened-ring compact bodies are stacked on each other in a vertical stacking direction, the plurality of flattened-ring compact bodies are arranged so that the axes of the flattened through-holes are vertically arranged while maintaining the stacked state and a bar is attached to each of the sides of the stacked flattened ring compact bodies.

Sub
C1 *delete 2*
6. The method according to claim 1, wherein the plurality of flattened-ring compact bodies are made of magnetic material.

7. The method according to claim 1, wherein the powder comprises an inorganic material including particles having a particle size of not more than about 1,000 μm .

Sub
C1
8. The method according to claim 1, wherein the powder comprises ^{the} an organic material including particles having a particle size of not more than about 1,000 μm .

9. The method according to claim 1, wherein the powder comprises an inorganic material including particles having a particle size of about 20 μm .

Sub
C1
10. The method according to claim 1, wherein the powder comprises ^{the} an organic material including particles having a particle size of about 20 μm .

Sub C1
A method of firing magnetic cores comprising the steps of:

providing a plurality of thin compact bodies having flattened through holes;

attaching a powder to the surface of the plurality of thin compact bodies;

vertically arranging the plurality of thin compact bodies adjacently; and

firing the thin compact bodies while the powder is interposed between the adjacent thin compact bodies.

12. The method according to claim 11, wherein the step of arranging includes arranging the plurality of flattened-ring compact bodies in a plurality of rows that are adjacent to each other.

13. The method according to claim 11, wherein before the step of attaching powder, the plurality of flattened-ring compact bodies are arranged so that the axes of the flattened through-holes are horizontally arranged.

Sub C1
14. The method according to claim 13, wherein after the step of attaching, the plurality of flattened-ring compact bodies are stacked on each other in a vertical stacking direction.

Sub C1
15. The method according to claim 11, wherein after the plurality of flattened-ring compact bodies are stacked on each other in a vertical stacking direction, the plurality of flattened-ring compact bodies are arranged so that the axes of the flattened through-holes are vertically arranged while maintaining the stacked state and a bar is attached to each of the sides of the stacked flattened ring compact bodies.

Sub C1
16. The method according to claim 11, wherein the plurality of flattened-ring compact bodies have one of a ring shape, an E-shape, a U-shape, an I shape, a rectangular shape including a central dividing member, and a square shape.

17. The method according to claim 11, wherein the powder comprises an inorganic material including particles having a particle size of not more than about 1,000 μm .

Sub C1
18. The method according to claim 11, wherein the powder comprises an organic material including particles having a particle size of not more than about 1,000 μm .

19. The method according to claim 11, wherein the powder comprises an inorganic material including particles having a particle size of about 20 μm .

Sub C1
20. The method according to claim 11, wherein the powder comprises an organic material including particles having a particle size of about 20 μm .